REVIEWER

ATTACHMENT TO PAPER NO. ________

Form PTO 948 (Rev. 8-98) U.S. DEPARTMENT OF COMMERCE - Patent and Trademark Office

NOTICE OF DRAFTSPERSON'S PATENT DRAWING REVIEW

Black ink. Color Color drawings are not acceptable until petition is granted. Fig(0) Peocl and noot black ink not permitted. Fig(s) Prof(1) Peocl and noot black ink not permitted. Fig(s) Photographs not properly mounted (must use bystol board or photographs not properly mounted funst use bystol board or photographs not properly mounted funst use bystol board or photographs. 71 CFR 1.84(c) Paper not flexible, strong, white, and durable. Fig(0) Easures, alterations, overwritings, intertineations, folds, copy and the properties. Fig(1) Paper not flexible, strong, white, and durable. Fig(2) Easures, alterations, overwritings, intertineations, folds, copy and the properties. Fig(3) SIZE OF PAPER 3.7 CFR 1.84(f). Acceptable sizes: 21.0 cm by 27.9 cm (10 % 12.7 kg/d). Acceptable sizes: 21.0 cm by 27.9 cm (10 % 12.7 kg/d). Acceptable margins: MARGINS. 37 CFR 1.84(g). Acceptable margins: "Top 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm SIZE: 8 1/2 x 11 Margins not acceptable. Fig(3) Top 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm SIZE: 8 1/2 x 11 Margins not acceptable. Fig(3) Top 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm SIZE: 8 1/2 x 11 Margins not acceptable. Fig(3) Top 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm SIZE: 8 1/2 x 11 Margins not acceptable. Fig(4) English alphabet not used. 37 CFR 1.84(p)(1) Fig(5) Solid black shading and reference characters must be at least 3.2 cm (1/8 inch) in height. 37 CFR 1.84(p)(2)	DRAWINGS. 37 CFR 1.84(a): Acceptable categories of drawings:	8. ARRANGEMENT OF VIEWS. 37 CFR 1.84(i)
Fig(s) Pencil and non black ink not permitted. Fig(s) Pencil and non black ink not permitted. Fig(s) Pencil and non black ink not permitted. Fig(s) Photographs: 37 CFR 1.84 (b) Photographs not properly mounted (must use brystol board or photographic double-weight paper). Fig(s) Photographs not properly mounted (must use brystol board or photographic double-weight paper). Fig(s) TYPE OF PAPER. 37 CFR 1.84(e) Paper and flexible, strong, white, and durable. Fig(s) Paper and flexible, strong, white, and durable. Fig(s) Particle (microbia) Fig(s) Particle (microbia) Fig(s) SIZE OF APER. 37 CFR 1.84(f): Acceptable sizes: 2.1.0 cm by 29.7 cm (DIN size A4) 2.1.6 cm by 27.9 cm (B1/2 x 11 inches) All drawing sheets not the same size. Sheet(s) Darawings sheets not an acceptable fisite. Fig(s) MARGINS. 37 CFR 1.84(g): Acceptable margins: Top 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm SIZE: At Size Top 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm SIZE: At Size Top 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm SIZE: At Size Top 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm SIZE: At Size Top 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm SIZE: A Size Top 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm SIZE: A Size Top 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm SIZE: A Size Top 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm SIZE: A Size Top 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm SIZE: A Size Top 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm SIZE: A Size Top 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm SIZE: A Size Top 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm SIZE: A Size Top 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm SIZE: A Size Top 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm SIZE: A Size Top 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm SIZE: A Size Top 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm SIZE: A Size Top 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm SIZE: A Size Top 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm SIZE: A Size Top 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm SIZE: A Size Top 2.		Words do not appear on a horizontal, left-to-right fashion
Pencil and non black ink not permitted. Fig(s) PHOTOGRAPHS. 37 CFR 1.84 (h) Photographs not properly mounted (must use brystol board or photographs not properly mounted (must use brystol board or photographs not properly mounted (must use brystol board or photographs not properly mounted (must use brystol board or photographs not properly mounted (must use brystol board or photographs not properly mounted (must use brystol board or photographs not properly in paper). Fig(s) TYPE OF PAPER. 37 CFR 1.84(c) Paper not flexible, strong, white, and durable. Fig(s) Erasures, alterations, overwritings, intertineations, folds, copy machine marks not acceptable (fig.) Erasures, alterations, overwritings, intertineations, folds, copy machine marks not acceptable sizes: 2,10, em by 27. em (0.01 xize A4) 2,11, em by 27. em (0.01 xize A4) 2,12, em by 27. em		when page is either upright or turned so that the top
PHOTOGRAPHS. 37 CFR 1.84(f) Photographs doubt-weight paper). Fig(s) Photographs on properly mounted (must use brystol board or photographs doubt-weight paper). Fig(s) TYPE OF PAPER. 37 CFR 1.84(e) Paper not flexible, strong, white, and durable. Fig(s) Erasures, alterations, overwritings, intertineations, folds, copy machine marks not acceptable. Fig(s) Mylat, velum paper is not acceptable (too thin). Fig(s) 21.0 cm by 27 cm (DIN size 44) 21.0 cm by 27.7 cm (DIN size 44) 21.1 o cm by 27.7 cm (DIN size 44) 21.1 o cm by 27.7 cm (DIN size 44) 21.1 o cm by 27.7 cm (DIN size 44) 21.2 cm by 27.7 cm (Birl 1.5 cm Bottom 1.0 cm SIZE: A4 55:e Top 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm SIZE: A8 15:e Top 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm SIZE: A8 15:e Top 2.7 cm (Birl R) Margins not acceptable. Fig(s) Margins not acceptable. Fig(s) Fig(s) Erasures and reference characters not plain and legible. Fig(s) Fig(s) Fig(s) Solid black standing not permitted. Fig(s) Numbers and reference characters not plain and legible. Fig(s) Numbers and reference characters not plain and legible. Fig(s) Numbers and reference characters not plain and legible. Fig(s) English alphabet not used. 37 CFR 1.84(p)(1) Fig(s) Brackets needed to show figure as one entity. Fig(s) Brackets needed to show figure as one entity. Fig(s) Brackets needed to show figure as one entity. Fig(s) Brackets needed to show figure as one entity. Fig(s) Brackets needed to show figure as one entity. Fig(s) Brackets needed to show figure as one entity. Fig(s) Brackets needed to show figure as one entity. Fig(s) Brackets needed to show figure as one entity. Fig(s) Brackets needed to show figure as one entity. Fig(s) Brackets needed to show figure as one entity. Fig(s) Brackets needed to show figure as one entity. Fig(s) Brackets needed to show figure as one entity. Fig(s) Brackets needed to show figure as one entity. Fig(s) Brackets needed to show figure as one entity. Fig(s) Brackets needed to show figure as one ent		
1 full-tone set is required. Fig(s) Photographs not properly mounted (must use brystol board or photographic double-weight paper). Fig(s) TYPE OF PAPER. 37 CFR 1.84(e) Paper not flexible, strong, white, and durable. Fig(s) Erssures, alterations, overwritings, interlineations, folds, copy machine marks not accepted. Fig(s) Mylar, velum paper is not acceptable (too thin). Fig(s) SIZE OF PAPER. 37 CFR 1.84(f): Acceptable sizes: 21.0 cm by 29.7 em (B1 X2 x 11 inches) All drawing sheets not the same size. Sheet(s) Drawings sheets not an acceptable size. Fig(s) MARGINS. 37 CFR 1.84(g): Acceptable margins: Top 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm SIZE: 81/2 x 11 Margins not acceptable. Fig(s) Bright (R) SIZE Bry 1.3 cm Bottom 1.0 cm SIZE: 81/2 x 11 Margins not acceptable. Fig(s) Brackets needed to show figure as one entity. Fig(s) Views not abeled separately or property. Fig(s) Sectional designation should be noted with Arabic or Roman numbers. Fig(s) Sectional designation should be noted with Arabic or Roman numbers. Fig(s) Sectional designation should be noted with Arabic or Roman numbers. Fig(s)		Scale not large enough to show mechanism without
Photographs not properly mounted (must use brystol board or photographic double-weight paper). Fig(s) Foor quality (half-lone). Fig(s) Foor quality (half-lone). Fig(s) Foor quality (half-lone). Fig(s) Foor quality (half-lone). Fig(s) Paper not flexible, strong, white, and durable. Fig(s) Erasures, alterations, overwritings, interlineations, folds, copy machine marks not accepted. Fig(s) Mylar, velum paper is not acceptable (too thin). Fig(s) SIZE OF PAPER. 37 CFR 1.84(g): Acceptable sizes: 21.0 cm by 29.7 cm (DIN size A4) 21.6 cm by 29.7 cm (BIN size A4) 21.6 cm by 29.7 cm (BIN size A4) 21.6 cm by 29.7 cm (BIN size A4) 21.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm SIZE: A8 Size Top 2.5 cm Lef		crowding when drawing is reduced in size to two-thirds in
photographic double-weight paper). Fig(s) Foor quality (half-tone). Fig(s) TYPE OF PAPER. 37 CFR 1.84(e) Paper not flexible, strong, white, and durable. Fig(s) Erasures, alterations, overwritings, interlineations, folds, copy machine marks not accepted. Fig(s) Mylar, velum paper is not acceptable (too thin). Fig(s) SIZE OF PAPER. 37 CFR 1.84(f). Acceptable sizes: 2.1.0 cm by 2.9 cm (8 1/2 x 11 inches) All drawing sheets not an acceptable size. Sheet(s) Drawings sheets not an acceptable size. Fig(s) MarGiNs. 37 CFR 1.84(g). Acceptable margins: Top 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm SIZE: A Size Top 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm SIZE: 31 /2 x 11 Margins not acceptable. Fig(s) Brackets needed to show figure as one entity. Fig(s) URWS. 37 CFR 1.84(n) Parial views. 37 CFR 1.84(n)(3) Brackets needed to show figure as one entity. Fig(s) Enlarged view not labeled separately or properly. Fig(s) Sectional designation should be noted with Arabic or Roman numbers. Fig(s) Sectional designation should be noted with Arabic or Roman numbers. Fig(s)	Photographs not properly mounted (must use brystol board or	reproduction.
TYPE OF PAPER. 37 CFR 1.84(i) Paper not flexible, strong, white, and durable. Fig(s) Erasures, alterations, overwritings, interlineations, folds, copy machine marks not acceptable (too thin). Fig(s) SIZE OF PAPER. 37 CFR 1.84(f): Acceptable sizes: 21.0 cm by 27.9 cm (DIN size A4) 21.6 cm by 27.9 cm (DIN size A4) 31 drawing sheets not an acceptable size. Sheet(s) Drawings sheets not an acceptable size. Fig(s) MARGINS. 37 CFR 1.84(g): Acceptable margins: 1. Top 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm SIZE: A8 Size Top 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.	photographic double-weight paper). Fig(s)	
Paper not flexible, strong, white, and durable. Fig(s) Erasures, alterations, overwritings, intertineations, folds, copy machine marks not accepted. Fig(s) Mylat, velum paper is not acceptable (too thin). Fig(s) Mylat, velum paper is not acceptable sizes: 21.0 cm by 29.7 cm (DIN size A4) 21.6 cm by 29.7 cm (R) 1/2 x 11 inches) All drawing sheets not the same size. Sheet(s) Drawings sheets not an acceptable size. Sheet(s) Drawings sheets not maceptable size. Fig(s) MARGINS. 37 CFR 1.84(g): Acceptable margins: Top 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm SIZE: A4 Size Top 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm SIZE: B 1/2 x 11 Margins not acceptable. Fig(s) VIEWS. 37 CFR 1.84(p) VIEWS. 37 CFR 1.84(p) Bottom (B) VIEWS. 37 CFR 1.84(h)(2) Brackets needed to show figure as one entity. Fig(s) Enlarged view not labeled separately or properly. Fig(s) Sectional designation should be noted with Arabic or Roman numbers. Fig(s) Sectional designation should be noted with Arabic or Roman numbers. Fig(s) Fig(s) Solid black shading not permitted. Fig(s) Solid black shading not permitted. Fig(s) Solid black shading not premitted. Fig(s) Solid black shading not permitted. Fig(s) Solid black shading not premitted. Fig(s) Numbers and reference characters not plain and legible. Fig(s) Numbers and reference characters not oriented in the same direction as the view. 37 CFR 1.84(p)(1) Fig(s) Numbers, letters and reference characters must be at least 3.2 cm (1/8 inch) in height. 37 CFR 1.84(p)(3) Fig(s) Lead lines missing. Fig(s) Numbers not unabered consecutively, and in Arabic numeral beginning with number 1. Fig(s) 13. LEAD LINES. 37 CFR 1.84(p) Views not labeled separately or properly. Fig(s) Solid black shading not used. 37 CFR 1.84(p)(3) Fig(s) Solid black shading not used. 37 CFR 1.84(p)(3) Fig(s) Solid black shading not used. 37 CFR 1.84(p)(1) Lead lines missing. Fig(s) Numbers not marbered consecutively, and in Arabic numeral beginning with number 1. Fig(s) 14. NUMBERING OF VIEWS. 37 CFR 1.84(p) Views		
Fig(s) Erasures, alterations, overwritings, intertineations, folds, copy machine marks not accepted. Fig(s) Mylar, velum paper is not acceptable (too thin). Fig(s) SIZE OF PAPER. 37 CFR 1.84(f): Acceptable sizes: 21.0 cm by 27.9 cm (GIN size A4) 21.6 cm by 27.9 cm (GIN size A4) 21.6 cm by 27.9 cm (GIN size A4) 31 drawing sheets not the same size. Sheet(s) Drawings sheets not an acceptable size. Fig(s) MARGINS. 37 CFR 1.84(g): Acceptable margins: 1. Top 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm SIZE: A4 Size Top 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm SIZE: A5 Size Top 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm SIZE:		
Ensures, alterations, overwritings, interlineations, folds, copy machine marks not accepted. Fig(s)		Lines, numbers & letters not uniformly trick and well
Mylar, velum paper is not acceptable (too thin). Fig(s) SIZE OF PAPER. 37 CFR 1.84(f): Acceptable sizes: 21.0 cm by 29.7 cm (DIN size A4) 21.6 cm by 29.7 cm (DIN size A4) 21.6 cm by 29.7 cm (DIN size A4) 31.0 cm by 29.7 cm (DiN size Bates and therefore characters not oriented in the same direction as the view. 37 CFR 1.84(p)(1) 31.0 cm by 29.7 cm (DiN size Bates and the size Bates and the size Bates and the same direction as the view. 37 CFR 1.84(p)(2) 31.0 cm (DiN size Bates and the size Bates and		Fines (poor tile quanty).
Mylar, velum paper is not acceptable (too thin). Fig(s) SIZE OF PAPER. 37 CFR 1.84(f): Acceptable sizes: 21.0 cm by 29.7 cm (DIN size A4) 21.6 cm by 29.7 cm (DIN size A4) 21.6 cm by 29.7 cm (DIN size A4) 31.0 cm by 29.7 cm (DiN size Bates and therefore characters not oriented in the same direction as the view. 37 CFR 1.84(p)(1) 31.0 cm by 29.7 cm (DiN size Bates and the size Bates and the size Bates and the same direction as the view. 37 CFR 1.84(p)(2) 31.0 cm (DiN size Bates and the size Bates and		11. SHADING, 37 CFR 1.84(m)
Solid black shading not permitted. Fig(s) Slade lines, pale, rough and blurred. Fig(s) All drawing sheets not the same size. Sheet(s) Drawings sheets not an acceptable size. Fig(s) MARGINS. 37 CFR 1.84(g): Acceptable margins: Margins solves, figer lines, pale size. Fig(s) SiZE: AA Size Top 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm SiZE: AA Size Top 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm SiZE: 8 1/2 x 11 Margins not acceptable. Fig(s) Views, 37 CFR 1.84(h) Numbers, letters and reference characters must be at least 3.2 cm (1/8 inch) in height. 37 CFR 1.84(p)(3) Fig(s) Views not labeled separately or properly. Fig(s) Sectional designation should be noted with Arabic or Roman numbers. Fig(s) Sectional designation should be noted with Arabic or Roman numbers. Fig(s) Sectional designation should be noted with Arabic or Roman numbers. Fig(s) Sidd black shading not permitted. Fig(s) Shade in ab und burter Pig(s) Numbers, pale reference characters not plain and legible. Fig(s) Sigure legends are poor. Fig(s) Numbers and reference characters not plain and legible. Fig(s) Fig(s) Size: 81/2 x 11 Fig(s) Left (L) Right (R) Bottom (B) Numbers, letters and reference characters must be at least 3.2 cm (1/8 inch) in height. 37 CFR 1.84(p)(2) Fig(s) Lead lines cross each other. Fig(s) Lead lines cross each other. Fig(s) Lead lines cross each other. Fig(s) Numbers, letters and reference characters must be at least 3.2 cm (1/8 inch) in height. 37 CFR 1.84(q) Lead lines cross each other. Fig(s) Numbers, letters and reference characters must be at least 3.2 cm (1/8 inch) in height. 37 CFR 1.84(q) Lead lines cross each other. Fig(s) Numbers, letters and reference characters must be at least 3.2 cm (1/8 inch)	Mylar velum paper is not acceptable (too third).	Solid black areas pale. Fig(s)
SIZE (3 L2 x 11 Surger) Top 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm SIZE: 8 1/2 x 11 Surger) Top (T) Right (R) WIEWS. 37 CFR 1.84(h) REMINDER: Specification may require revision to correspond to drawing changes. Fig(s) Brackets needed to show figure as one entity. Fig(s) Enlarged view not labeled separately or properly. Fig(s) Sectional designation should be noted with Arabic or Roman numbers. Fig(s) — Sectional designation should be noted with Arabic or Roman numbers. Fig(s) — 12.0 cm by 27.9 cm (8 1/2 x 11 inches) 37 CFR 1.84(p) Numbers and reference characters not pilain and legible. Fig(s) Numbers and reference characters not oriented in the same direction as the view. 37 CFR 1.84(p)(1) Fig(s) — Size: 8 1/2 x 11 Margins not acceptable. Fig(s) — Left (L) Right (R) Bottom (B) VIEWS. 37 CFR 1.84(h) REMINDER: Specification may require revision to correspond to drawing changes. Fig(s) — Lead lines missing. Fig(s) — Lead lines fig(s) — Lead l		Solid black shading not permitted. Fig(s)
21.0 cm by 29.7 cm (DIN size A4) 21.6 cm by 27.9 cm (8 1/2 x 11 inches) All drawing sheets not the same size. Sheet(s) Drawings sheets not an acceptable size. Fig(s) MARGINS. 37 CFR 1.84(g): Acceptable margins: Top 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm SIZE: A4 Size Top 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm SIZE: A5 Size Top 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm SIZE: B1/2 x 11 Margins not acceptable. Fig(s) Top (T) Right (R) Bottom (B) Wiews. 37 CFR 1.84(h) Brackets needed to show figure as one entity. Fig(s) Views not labeled separately or properly. Fig(s) Enlarged view not labeled separately or properly. Fig(s) SECTIONAL VIEWS. 37 CFR 1.84(h)(3) Hatching not indicated for sectional portions of an object. Fig(s) Sectional designation should be noted with Arabic or Roman numbers. Fig(s) 12. NUMBERS, LETTERS, & REFERENCE CHARACTERS. 37 CFR 1.84(p) Numbers and reference characters not plain and legible. Fig(s) Numbers and reference characters not oriented in the same direction as the view. 37 CFR 1.84(p)(2) Fig(s) Lead lines cross each other. Fig(s) Lead lines cross each other. Fig(s) Lead lines missing. Fig(s) 14. NUMBERING OF SHEETS OF DRAWINGS. 37 CFR 1.84(n) Sheets not numbered consecutively, and in Arabic numeral beginning with number 1. Fig(s) Corrections not made from prior PTO-948 dated 17. DESIGN DRAWINGS. 37 CFR 1.84(w) Solid black shading not used for color contrast. Fig(s) Solid black shading not used for color contrast.		
All drawing sheets not the same size. Sheet(s) Drawings sheets not an acceptable size. Fig(s) MARGINS. 37 CFR 1.84(g): Acceptable margins: Top 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm SIZE: A4 Size Top 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm SIZE: 8 1/2 x 11 Margins not acceptable. Fig(s) VIEWS. 37 CFR 1.84(h) REMINDER: Specification may require revision to correspond to drawing changes. Partial views. 37 CFR 1.84(h)(2) Fig(s) Enaltied to show figure as one entity. Fig(s) Enlarged view not labeled separately or properly. Fig(s) Enlarged view not labeled separately or properly. Fig(s) Sectional designation should be noted with Arabic or Roman numbers. Fig(s) Sectional designation should be noted with Arabic or Roman numbers. Fig(s) Mumbers and reference characters not plain and legible. Fig(s) Figure legends are poor. Fig(s) Numbers and reference characters not oriented in the same direction as the view. 37 CFR 1.84(p)(1) Fig(s) English alphabet not used. 37 CFR 1.84(p)(2) Figs Numbers, letters and reference characters must be at least 32 cm (1/8 inch) in height. 37 CFR 1.84(p)(3) Fig(s) Lead lines cross each other. Fig(s) Lead lines cross each other. Fig(s) Lead lines cross each other. Fig(s) Lead lines missing. Fig(s) 14. NUMBERING OF SHEETS OF DRAWINGS. 37 CFR 1.84(n) Views not labeled separately or properly. Fig(s) Enlarged view not labeled separately or properly. Fig(s) Sectional designation should be noted with Arabic or Roman numbers. Fig(s) Sectional designation should be noted with Arabic or Roman numbers. Fig(s)		
Sheet(s) Drawings sheets not an acceptable size. Fig(s) Figure legends are poor. Fig(s) Numbers and reference characters not oriented in the same direction as the view. 37 CFR 1.84(p)(1) Fig(s)		
Drawings sheets not an acceptable size. Fig(s) MARGINS. 37 CFR 1.84(g): Acceptable margins: Top 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm SIZE: A4 Size Top 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm SIZE: A5 Size Top 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm SIZE: A5 Size Top 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm SIZE: A5 Size Top 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm SIZE: A5 Size Top 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm SIZE: A5 Size Top 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm SIZE: A5 Size Top 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm SIZE: A5 Size Top 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm SIZE: A5 Size Top 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm SIZE: A5 Size Top 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm SIZE: A5 Size Top 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm SIZE: A5 Size Top 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm SIZE: A5 Size Top 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm SIZE: A5 Size Top 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm SIZE: A5 Size English 18 laphabet not used. 37 CFR 1.84(p)(2) Fig(s) Left (L) Right (R) Bottom (B) Lead Lines cross each other. Fig(s) Lead lines missing. Fig(s) Lead lines missing. Fig(s) Lead lines missing. Fig(s) Lead lines cross each other. Fig(s) Sheets not numbered consecutively, and in Arabic numeral beginning with number 1. Sheet(s) Views not numbered consecutively, and in Arabic numeral beginning with number 1. Fig(s) SectTIONAL VIEWS. 37 CFR 1.84(h)(3) Hatching not indicated for sectional portions of an object. Fig(s) SectTIONAL VIEWS. 37 CFR 1.84(h)(3) Hatching not indicated for sectional portions of an object. Fig(s) SectTIONAL VIEWS. 37 CFR 1.84(h)(3) Hatching not indicated for sectional portions of an object. Fig(s) SectTIONAL VIEWS. 37 CFR 1.84(h)(3) SectTIONAL VIEWS. 37 CFR 1.84		
MARGINS. 37 CFR 1.84(g): Acceptable margins: Top 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm SIZE: 84 Size Top 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm SIZE: 81/2 x 11 Margins not acceptable. Fig(s) Top (T) Right (R) SIZE: 8 1/2 x 11 Mere some direction as the view. 37 CFR 1.84(p)(2) Figs Numbers, letters and reference characters must be at least 3.2 cm (1/8 inch) in height. 37 CFR 1.84(p)(3) Fig(s) SIZE: 8 1/2 x 11 Margins not acceptable. Fig(s) Top (T) Right (R) Southorn (B) Numbers, letters and reference characters must be at least 3.2 cm (1/8 inch) in height. 37 CFR 1.84(p)(3) Fig(s) Sectional to drawing changes. Partial views. 37 CFR 1.84(h)(2) Brackets needed to show figure as one entity. Fig(s) Views not labeled separately or properly. Fig(s) Sectional Lytems. 37 CFR 1.84 (h)(3) Hatching not indicated for sectional portions of an object. Fig(s) Sectional designation should be noted with Arabic or Roman numbers. Fig(s) Sectional designation should be noted with Arabic or Roman numbers. Fig(s) Sectional designation should be noted with Arabic or Roman numbers. Fig(s)		
same direction as the view. 37 CFR 1.84(p)(1) Fig(s) SIZE: A4 Size Top 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm SIZE: 8 1/2 x 11 Margins not acceptable. Fig(s) Top (T) Right (R) SIZE: 8 1/2 x 11 Margins not acceptable. Fig(s) Fig(s) VIEWS. 37 CFR 1.84(h) Bottom (B) VIEWS. 37 CFR 1.84(h)(2) Brackets needed to show figure as one entity. Fig(s) Enlarged view not labeled separately or properly. Fig(s) Enlarged view not labeled separately or properly. Fig(s) SECTIONAL VIEWS. 37 CFR 1.84(h)(3) Hatching not indicated for sectional portions of an object. Fig(s) Sectional designation should be noted with Arabic or Roman numbers. Fig(s) Size: A4 Size English alphabet not used. 37 CFR 1.84(p)(2) Figs Numbers, letters and reference characters must be at least 3.2 cm (1/8 inch) in height. 37 CFR 1.84(p)(3) Fig(s) 13. LEAD LINES. 37 CFR 1.84(q) Lead lines missing. Fig(s) Lead lines missing. Fig(s) Lead lines missing. Fig(s) Lead lines missing. Fig(s) Sheets not numbered consecutively, and in Arabic numeral beginning with number 1. Sheet(s) Views not labeled separately or properly. Fig(s) Sectional designation should be noted with Arabic or Roman numbers. Fig(s) Sectional designation should be noted with Arabic or Roman numbers. Fig(s) Solid black shading not used for color contrast.		
Top 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm SIZE: A4 Size Top 2.5 cm Right 1.5 cm Bottom 1.0 cm SIZE: 8 1/2 x 11 Margins not acceptable. Fig(s) Top (T) Right (R) REMINDER: Specification may require revision to correspond to drawing changes. Partial views. 37 CFR 1.84(h)(2) Brackets needed to show figure as one entity. Fig(s) Views not labeled separately or properly. Fig(s) English alphabet not used. 37 CFR 1.84(p)(2) Fig(s) Lead lines cross each other. Fig(s) Lead lines cross each other. Fig(s) Lead lines missing. Fig(s) Lead lines missing. Fig(s) Sheets not numbered consecutively, and in Arabic numeral beginning with number 1. Sheet(s) Fig(s) Views not labeled separately or properly. Fig(s) Enlarged view not labeled separately or properly. Fig(s) Attention not indicated for sectional portions of an object. Fig(s) Sectional designation should be noted with Arabic or Roman numbers. Fig(s) Sectional designation should be noted with Arabic or Roman numbers. Fig(s)	MAROINS. 37 CFR 1.84(g): Acceptable margins.	
SIZE: A4 Size Top 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm SIZE: 8 1/2 x 11 Margins not acceptable. Fig(s) Top (T) Right (R) Nombers, letters and reference characters must be at least 32 cm (1/8 inch) in height. 37 CFR 1.84(p)(3) Fig(s) REMINDER: Specification may require revision to correspond to drawing changes. Partial views. 37 CFR 1.84(h)(2) Brackets needed to show figure as one entity. Fig(s) Views not labeled separately or properly. Fig(s) Enlarged view not labeled separately or properly. Fig(s) SECTIONAL VIEWS. 37 CFR 1.84 (h)(3) Hatching not indicated for sectional portions of an object. Fig(s) Sectional designation should be noted with Arabic or Roman numbers. Fig(s) Sectional designation should be noted with Arabic or Roman numbers. Fig(s) SIZE: 8 1/2 x 11 Fig(s) Left (L) Numbers, letters and reference characters must be at least 32 cm (1/8 inch) in height. 37 CFR 1.84(p)(2) Fig(s) 13. LEAD LINES. 37 CFR 1.84(q) Lead lines cross each other. Fig(s) Lead lines cross each other. Fig(s) Sheets not numbered consecutively, and in Arabic numeral beginning with number 1. Sheet(s) Sheets not numbered consecutively, and in Arabic numeral beginning with number 1. Fig(s) Corrections not made from prior PTO-948 dated 17. DESIGN DRAWINGS. 37 CFR 1.84(w) Surface shading shown not appropriate. Fig(s) Solid black shading not used for color contrast.	Top 2.5 cm Left 2.5cm Right 1.5 cm Bottom 1.0 cm	
Top 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm SIZE: 8 1/2 x 11 Margins not acceptable. Fig(s) Top (T) Right (R) Solution (B) REMINDER: Specification may require revision to correspond to drawing changes. Partial views. 37 CFR 1.84(h)(2) Brackets needed to show figure as one entity. Fig(s) Views not labeled separately or properly. Fig(s) Enlarged view not labeled separately or properly. Fig(s) Sectional Views. 37 CFR 1.84 (h)(3) Hatching not indicated for sectional portions of an object. Fig(s) Sectional designation should be noted with Arabic or Roman numbers. Fig(s) SIZE R 1/2 x 11 Numbers, letters and reference characters must be at least Numbers (letters) and reference characters must be at least Numbers (letters) and reference characters must be at least Numbers (letters) and reference characters must be at least Numbers (letters) and reference characters must be at least Numbers (letters) and reference characters must be at least numbers and profers in the fig(s) Lead Lines. 37 CFR 1.84(q) Lead Lines. 37 CFR 1.84(p) Sheets not numbered consecutively, and in Arabic numeral beginning with number 1. Specify on number 1. Specify on number 2. Specify on number 2. Specify on number 2. Specify on number 2. Specify on n		English alphabet not used. 37 CFR 1.84(p)(2)
SIZE: 8 1/2 x 11 Margins not acceptable. Fig(s) Top (T) Right (R) Bottom (B) VIEWS. 37 CFR 1.84(h) REMINDER: Specification may require revision to correspond to drawing changes. Partial views. 37 CFR 1.84(h)(2) Brackets needed to show figure as one entity. Fig(s) Views not labeled separately or properly. Fig(s) Enlarged view not labeled separately or properly. Fig(s) SECTIONAL VIEWS. 37 CFR 1.84 (h)(3) Hatching not indicated for sectional portions of an object. Fig(s) Sectional designation should be noted with Arabic or Roman numbers. Fig(s) Left (L) Sincer (1/8 inch) in height. 37 CFR 1.84(p)(3) Lead lines cross each other. Fig(s) Sheets not numbered consecutively, and in Arabic numeral beginning with number 1. Sheet(s) Sheets not numbered consecutively, and in Arabic numeral beginning with number 1. Fig(s) CORRECTIONS. 37 CFR 1.84(u) Corrections not made from prior PTO-948 dated 17. DESIGN DRAWINGS. 37 CFR 1.152 Surface shading shown not appropriate. Fig(s) Solid black shading not used for color contrast. Fig(s) Solid black shading not used for color contrast.		
Top (T) Left (L) Right (R) Bottom (B) 13. LEAD LINES. 37 CFR 1.84(q) Lead lines cross each other. Fig(s) Lead lines cross each other. Fig(s) Lead lines missing. Fig(s) Lead lines missing Fig(s) Lead lines missing. Fig(s)	SIZE: 8 1/2 x 11	
Right (R) Bottom (B) VIEWS. 37 CFR 1.84(h) REMINDER: Specification may require revision to correspond to drawing changes. Partial views. 37 CFR 1.84(h)(2) Brackets needed to show figure as one entity. Fig(s) Views not labeled separately or properly. Fig(s) Enlarged view not labeled separetely or properly. Fig(s) SECTIONAL VIEWS. 37 CFR 1.84 (h)(3) Hatching not indicated for sectional portions of an object. Fig(s) Sectional designation should be noted with Arabic or Roman numbers. Fig(s) 13. LEAD LINES. 37 CFR 1.84(q) Lead lines cross each other. Fig(s) Sheets not number consecutively, and in Arabic numeral beginning with number 1. Sheet(s) 14. NUMBERING OF SHEETS OF DRAWINGS. 37 CFR 1.84(u) Views not numbered consecutively, and in Arabic numeral beginning with number 1. Fig(s) Views not numbered consecutively, and in Arabic numeral beginning with number 1. Fig(s) Corrections not made from prior PTO-948 dated 15. DESIGN DRAWINGS. 37 CFR 1.84(w) Corrections not made from prior PTO-948 dated 17. DESIGN DRAWINGS. 37 CFR 1.152 Surface shading shown not appropriate. Fig(s) Solid black shading not used for color contrast. Fig(s) Solid black shading not used for color contrast.		
. VIEWS. 37 CFR 1.84(h) REMINDER: Specification may require revision to correspond to drawing changes. Partial views. 37 CFR 1.84(h)(2) Brackets needed to show figure as one entity. Fig(s) Views not labeled separately or properly. Fig(s) Enlarged view not labeled separately or properly. Fig(s) SECTIONAL VIEWS. 37 CFR 1.84 (h)(3) Hatching not indicated for sectional portions of an object. Fig(s) Sectional designation should be noted with Arabic or Roman numbers. Fig(s) Lead lines cross each other. Fig(s) Sheets not numbered consecutively, and in Arabic numeral beginning with number 1. Sheet(s) Sheets not numbered consecutively, and in Arabic numeral beginning with number 1. Sheet(s) Views not numbered consecutively, and in Arabic numeral beginning with number 1. Sheet(s) Views not numbered consecutively, and in Arabic numeral beginning with number 1. Sheet(s) Views not numbered consecutively, and in Arabic numeral beginning with number 1. Sheet(s) Sheets not numbered consecutively, and in Arabic numeral beginning with number 1. Sheet(s) Sheets not numbered consecutively, and in Arabic numeral beginning with number 1. Sheet(s) Sheets not numbered consecutively, and in Arabic numeral beginning with number 1. Sheet(s) Sheets not numbered consecutively, and in Arabic numeral beginning with number 1. Sheet(s) Sheets not numbered consecutively, and in Arabic numeral beginning w		
REMINDER: Specification may require revision to correspond to drawing changes. Partial views. 37 CFR 1.84(h)(2) Brackets needed to show figure as one entity. Fig(s) Views not labeled separately or properly. Fig(s) Enlarged view not labeled separately or properly. Fig(s) Enlarged view not labeled separately or properly. Fig(s) SECTIONAL VIEWS. 37 CFR 1.84 (h)(3) Hatching not indicated for sectional portions of an object. Fig(s) Sectional designation should be noted with Arabic or Roman numbers. Fig(s) — Lead lines missing. Fig(s) SheETS OF DRAWINGS. 37 CFR 1.84(u) Sheets not numbered consecutively, and in Arabic numeral beginning with number 1. Sheet(s) Views not numbered consecutively, and in Arabic numeral beginning with number 1. Fig(s) Sections of numbered consecutively, and in Arabic numeral beginning with number 1. Fig(s) Corrections. 37 CFR 1.84(w) Corrections not made from prior PTO-948 dated dated 17. DESIGN DRAWINGS. 37 CFR 1.152 Surface shading shown not appropriate. Fig(s) Solid black shading not used for color contrast. Fig(s) Fig(s) Fig(s) Solid black shading not used for color contrast.		Lead lines cross each other. Fig(s)
correspond to drawing changes. Partial views. 37 CFR 1.84(h)(2) Brackets needed to show figure as one entity. Fig(s) Views not labeled separately or properly. Fig(s) Enlarged view not labeled separately or properly. Fig(s) SECTIONAL VIEWS. 37 CFR 1.84 (h)(3) Hatching not indicated for sectional portions of an object. Fig(s) Sectional designation should be noted with Arabic or Roman numbers. Fig(s) 14. NUMBERING OF SHEETS OF DRAWINGS. 37 CFR 1.84(t) Sheets not number 1. Sheet(s) Long ining with number 1. Sheet(s) Views not numbered consecutively, and in Arabic numeral beginning with number 1. Fig(s) Corrections. 37 CFR 1.84(w) Corrections not made from prior PTO-948 dated 17. DESIGN DRAWINGS. 37 CFR 1.152 Surface shading shown not appropriate. Fig(s) Solid black shading not used for color contrast. Fig(s) Fig(s) Fig(s) Solid black shading not used for color contrast.		— Lead lines missing. Fig(s)
Partial views. 37 CFR 1.84(h)(2) Brackets needed to show figure as one entity. Fig(s) Enlarged view not labeled separately or properly. Fig(s) Enlarged view not labeled separately or properly. Fig(s) Enlarged view not labeled separately or properly. Fig(s) Enlarged view not indicated for sectional portions of an object. Fig(s) Sectional designation should be noted with Arabic or Roman numbers. Fig(s) Sheets not numbered consecutively, and in Arabic numeral beginning with number 1. Sig(s) Views not numbered consecutively, and in Arabic numeral beginning with number 1. Fig(s) Corrections not made from prior PTO-948 dated 17. DESIGN DRAWINGS. 37 CFR 1.812 Surface shading shown not appropriate. Fig(s) Solid black shading not used for color contrast. Fig(s) Fig(s) Fig(s) Fig(s) Fig(s) Fig(s) Fig(s) Fig(s)		14. NUMBERING OF SHEETS OF DRAWINGS. 37 CFR 1.84(t)
Brackets needed to show figure as one entity. Fig(s) Views not labeled separately or properly. Enlarged view not labeled separately or properly. Fig(s) Enlarged view not labeled separately or properly. Fig(s) SECTIONAL VIEWS. 37 CFR 1.84 (h)(3) Hatching not indicated for sectional portions of an object. Fig(s) Sectional designation should be noted with Arabic or Roman numbers. Fig(s) Brackets needed to show figure as one entity. beginning with number 1. Sheet(s) Views not numbered consecutively, and in Arabic numeral beginning with number 1. Fig(s) Corrections. 37 CFR 1.84(w) Corrections not made from prior PTO-948 dated dated 17. DESIGN DRAWINGS. 37 CFR 1.152 Surface shading shown not appropriate. Fig(s) Solid black shading not used for color contrast. Fig(s) Fig(s) Fig(s) Fig(s)		Sheets not numbered consecutively, and in Arabic numeral
Views not labeled separately or properly. Fig(s) Enlarged view not labeled separetely or properly. Fig(s) Enlarged view not labeled separetely or properly. Fig(s) SECTIONAL VIEWS. 37 CFR 1.84 (h)(3) Hatching not indicated for sectional portions of an object. Fig(s) Sectional designation should be noted with Arabic or Roman numbers. Fig(s) Fig(s)		
Fig(s) beginning with number 1. Fig(s) Enlarged view not labeled separetely or properly. Fig(s) 16. CORRECTIONS. 37 CFR 1.84(w) Fig(s) 2. SECTIONAL VIEWS. 37 CFR 1.84 (h)(3) Hatching not indicated for sectional portions of an object. Fig(s) 2. Sectional designation should be noted with Arabic or Roman numbers. Fig(s) 5. Fig(s) 5. Fig(s) 7. Fig(s) 7. Solid black shading not used for color contrast. Fig(s) 5. Fig(s) 7. Fig(s) 7. Fig(s) 7. Fig(s) 8. Fig(s) 8		15. NUMBERING OF VIEWS. 37 CFR 1.84(u)
Enlarged view not labeled separetely or properly. Fig(s) SECTIONAL VIEWS. 37 CFR 1.84 (h)(3) Hatching not indicated for sectional portions of an object. Fig(s) Sectional designation should be noted with Arabic or Roman numbers. Fig(s) Fig(s) Fig(s) Sectional designation should be noted with Arabic or Roman numbers. Fig(s) Enlarged view not labeled separetely or properly. 10. CORRECTIONS. 37 CFR 1.84(w) Corrections not made from prior PTO-948 dated 17. DESIGN DRAWINGS. 37 CFR 1.152 Surface shading shown not appropriate. Fig(s) Fig(s) Fig(s) Fig(s) Fig(s)		Views not numbered consecutively, and in Arabic numeral
Fig(s) Corrections not made from prior PTO-948 dated		
SECTIONAL VIEWS. 37 CFR 1.84 (h)(3) dated		Corrections not made from prior PTO-948
Hatching not indicated for sectional portions of an object. Fig(s) Sectional designation should be noted with Arabic or Roman numbers. Fig(s)	Fig(s) 37 CER 1 84 (bV3)	dated
Fig(s) Surface shading shown not appropriate. Fig(s) Sectional designation should be noted with Arabic or Solid black shading not used for color contrast. Roman numbers. Fig(s) Fig(s)	Harching not indicated for sectional portions of an object.	
Sectional designation should be noted with Arabic or Roman numbers. Fig(s) Solid black shading not used for color contrast. Fig(s)		Surface shading shown not appropriate. Figts)
Roman numbers. Fig(s) Fig(s)		Solid black shading not used for color contrast.
		Fig(s)
COMMENTS		
COMMENTS		
COMMENTS		
	COMMENTS	

9|17|0 | TELEPHONE NO._____

Attachment for PTO-948 (Rev. 03/01, or earlier) 6/18/01

The below text replaces the pre-printed text under the heading, "Information on How to Effect Drawing Changes," on the back of the PTO-948 (Rev. 03/01, or earlier) form.

INFORMATION ON HOW TO EFFECT DRAWING CHANGES

1. Correction of Informalities -- 37 CFR 1.85

New corrected drawings must be filed with the changes incorporated therein. Identifying indicia, if provided, should include the title of the invention, inventor's name, and application number, or docket number (if any) if an application number has not been assigned to the application. If this information is provided, it must be placed on the front of each sheet and centered within the top margin. If corrected drawings are required in a Notice of Allowability (PTOL-37), the new drawings MUST be filed within the THREE MONTH shortened statutory period set for reply in the Notice of Allowability. Extensions of time may NOT be obtained under the provisions of 37 CFR 1.136(a) or (b) for filing the corrected drawings after the mailing of a Notice of Allowability. The drawings should be filed as a separate paper with a transmittal letter addressed to the Official Draftsperson.

2. Corrections other than Informalities Noted by Draftsperson on form PTO-948.

All changes to the drawings, other than informalities noted by the Draftsperson, MUST be made in the same manner as above except that, normally, a highlighted (preferably red ink) sketch of the changes to be incorporated into the new drawings MUST be approved by the examiner before the application will be allowed. No changes will be permitted to be made, other than correction of informalities, unless the examiner has approved the proposed changes.

Timing of Corrections

Applicant is required to submit the drawing corrections within the time period set in the attached Office communication. See 37 CFR 1.85(a).

Failure to take corrective action within the set period will result in **ABANDONMENT** of the application.